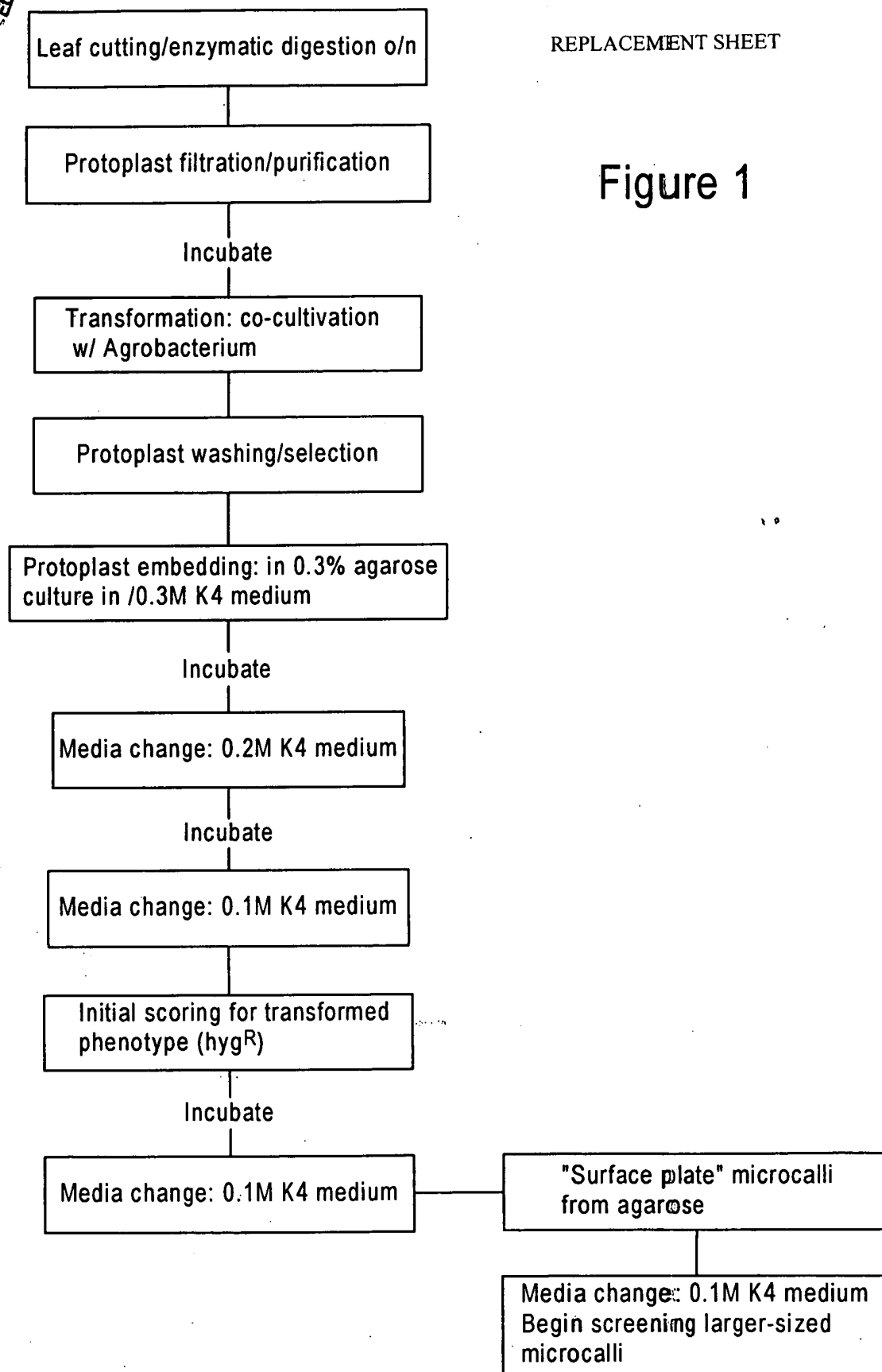




REPLACEMENT SHEET

Figure 1



BEST AVAILABLE COPY

REPLACEMENT SHEET

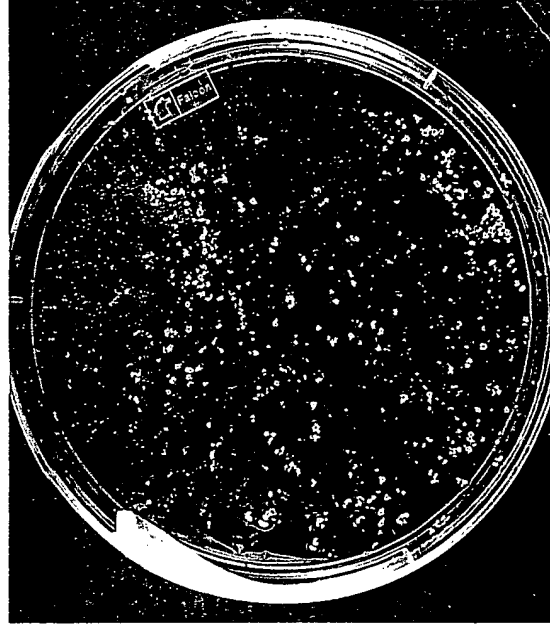
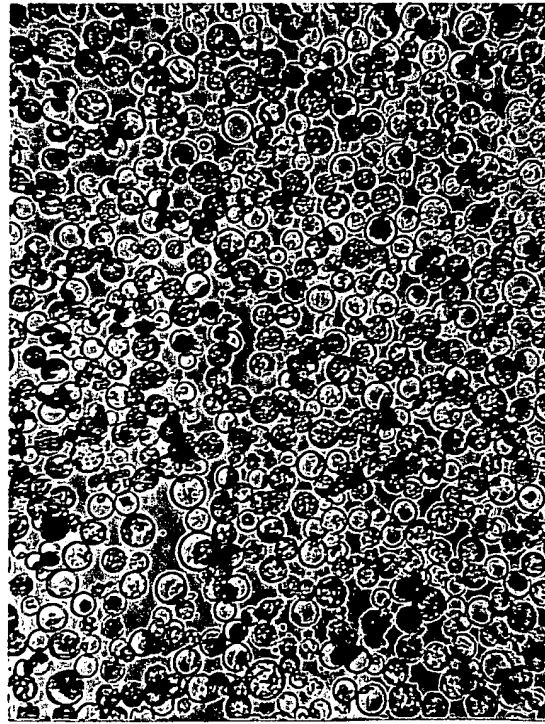


Figure 2A

Figure 2B

REPLACEMENT SHEET

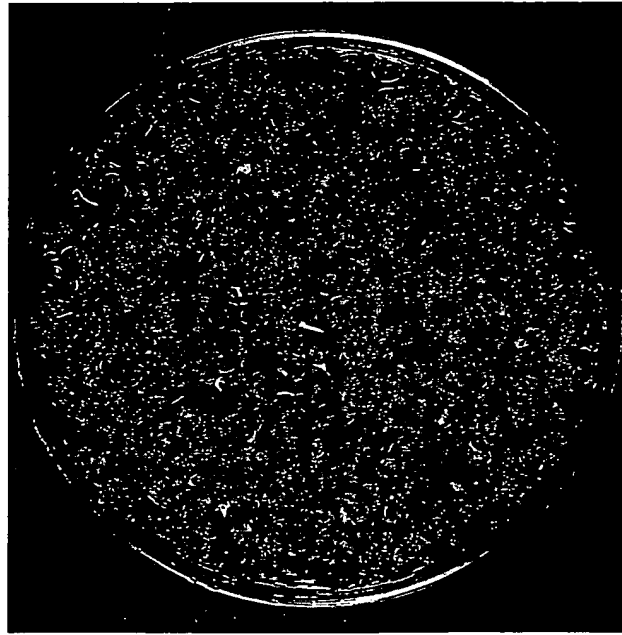


Figure 3A

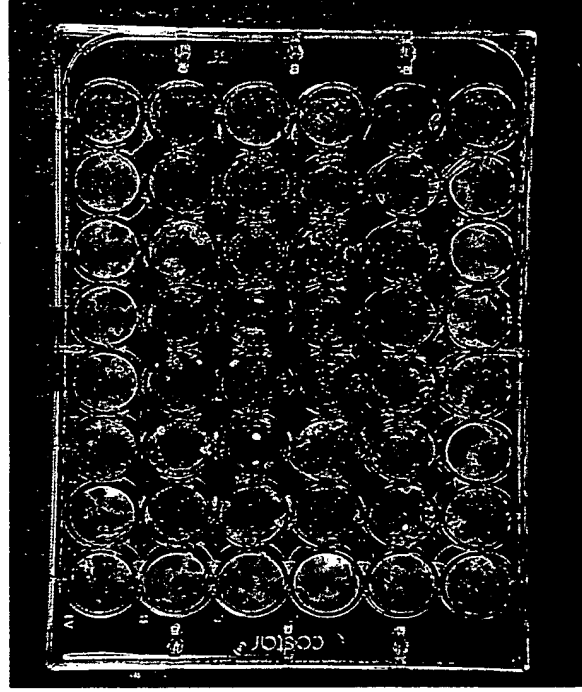


Figure 3B

REPLACEMENT SHEET

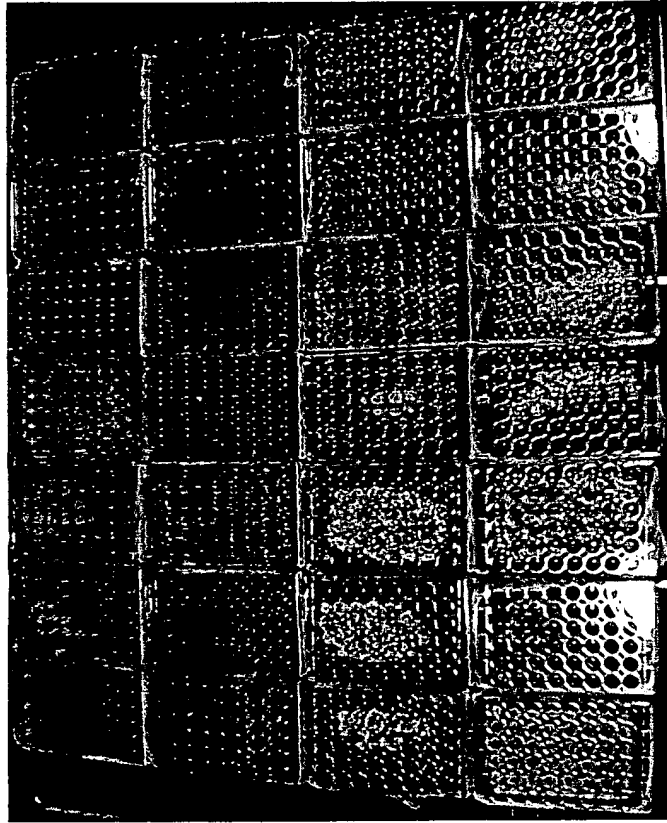


Figure 4

REPLACEMENT SHEET

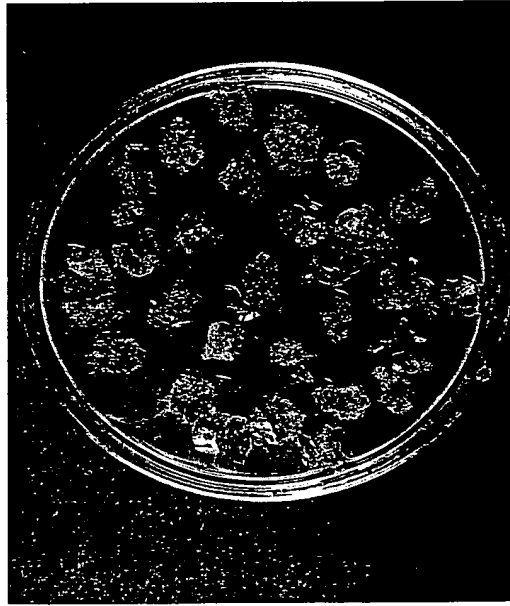


Figure 5B

Figure 5A

REPLACEMENT SHEET

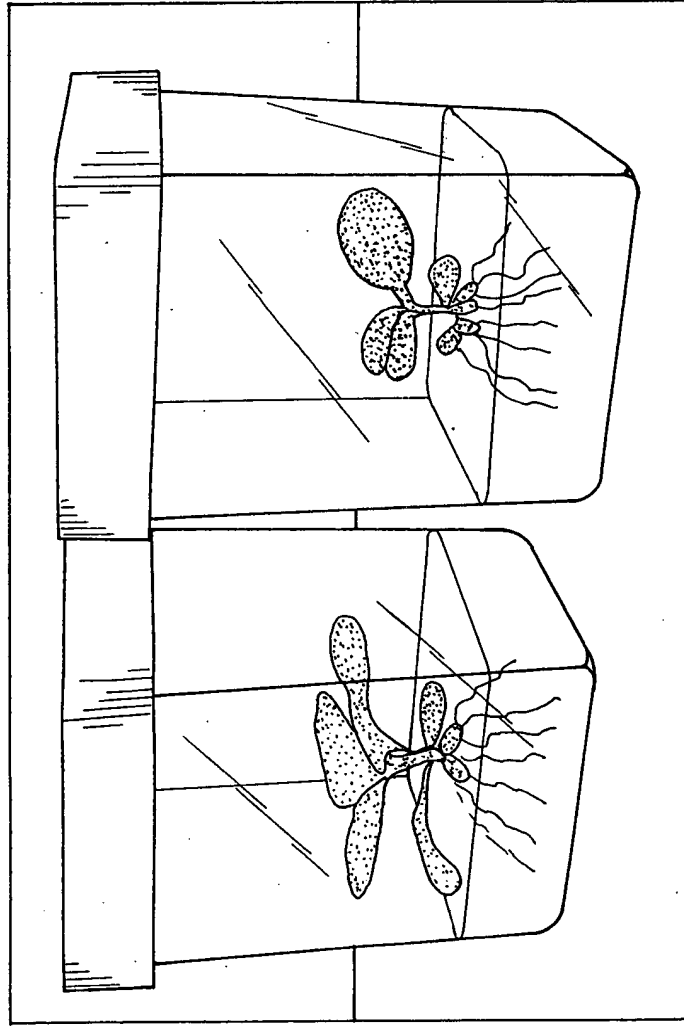


Figure 6

REPLACEMENT SHEET

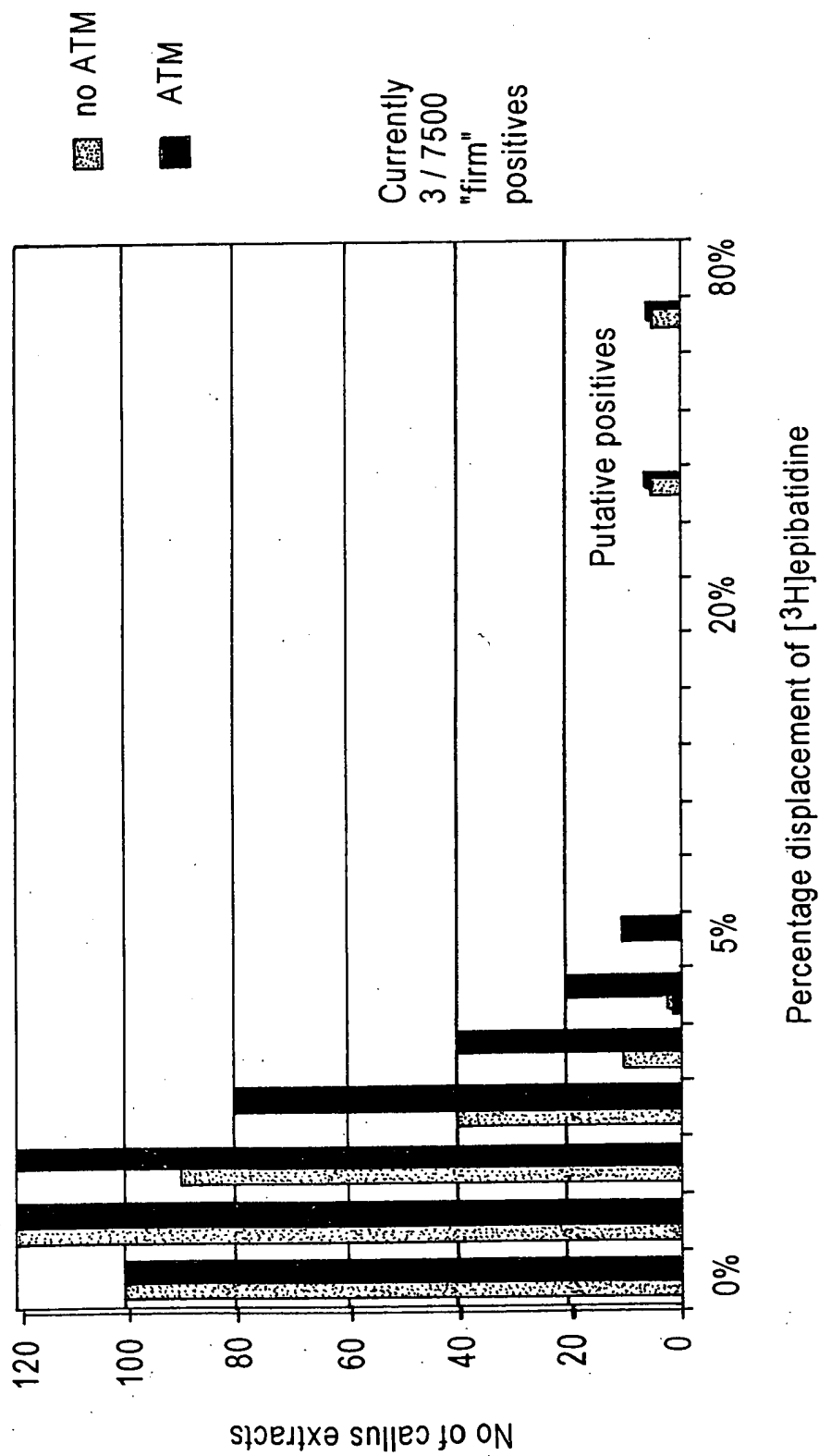


Figure 7

Activation of nicotine displacement

Nicotine equivalence (fold)

1000
100
10
1
0.1

0

Controls

Mutant lines

10

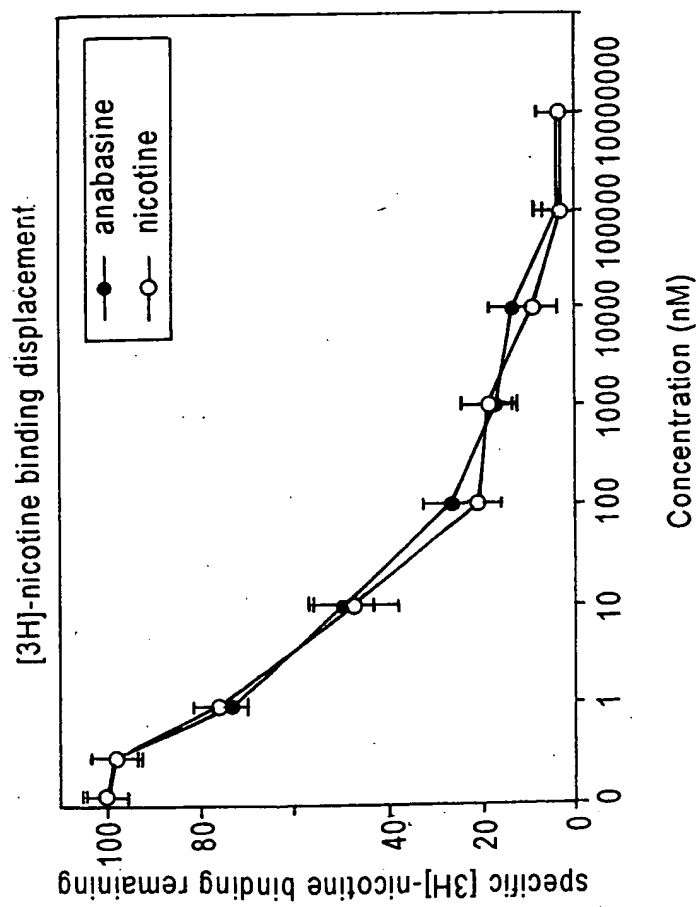


Figure 9A

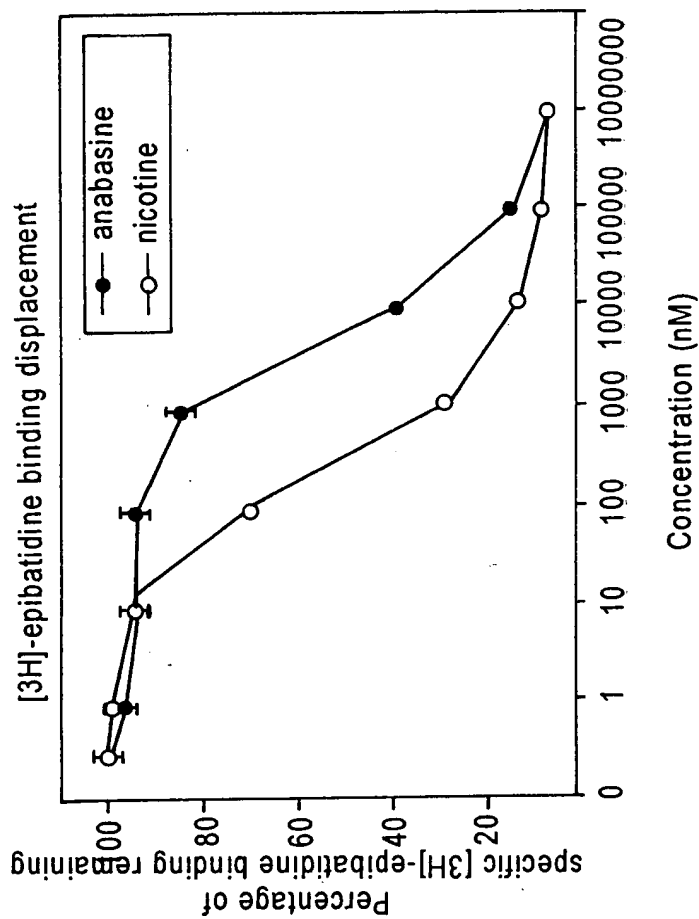


Figure 9B

REPLACEMENT SHEET

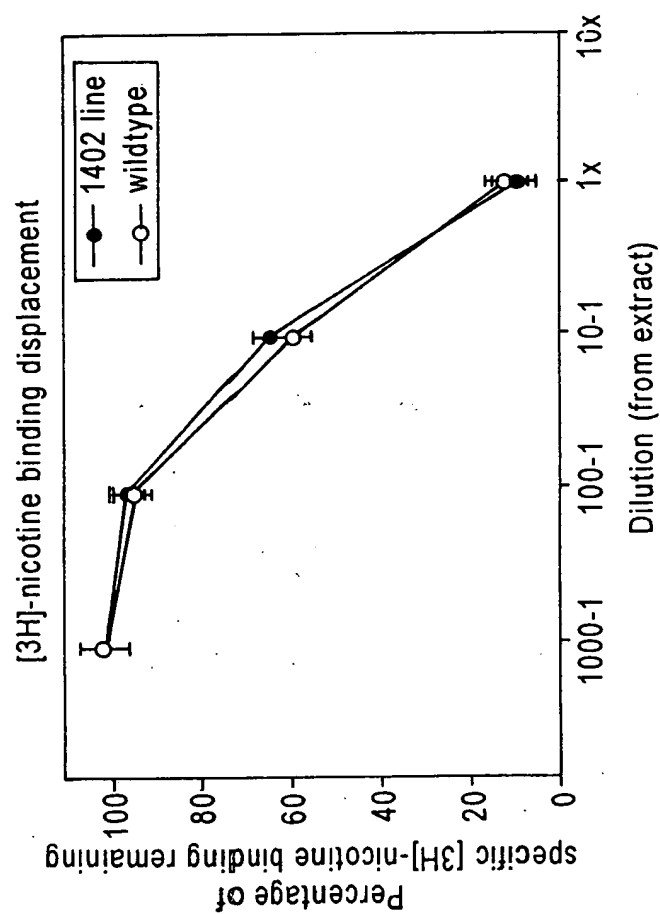


Figure 9C

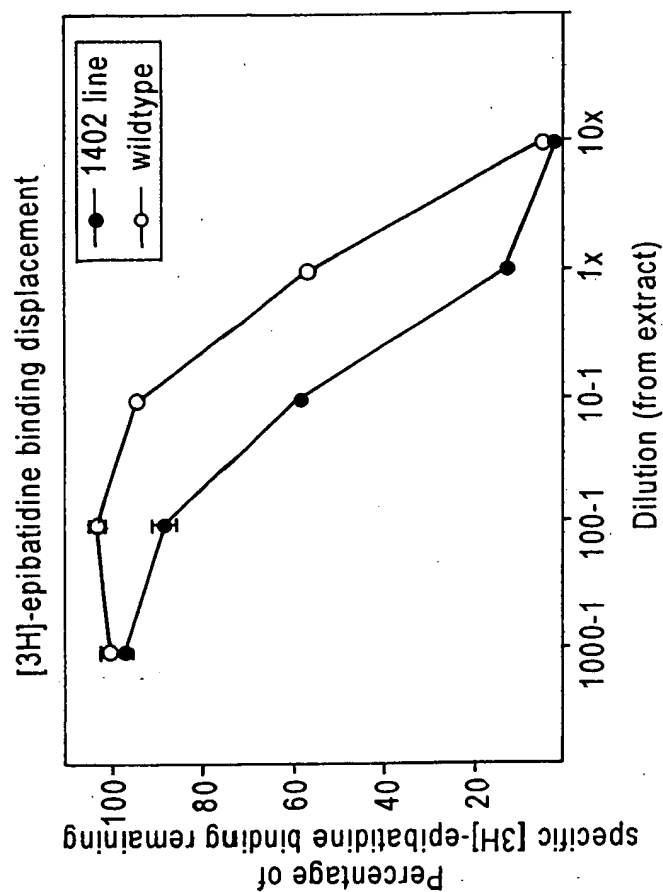
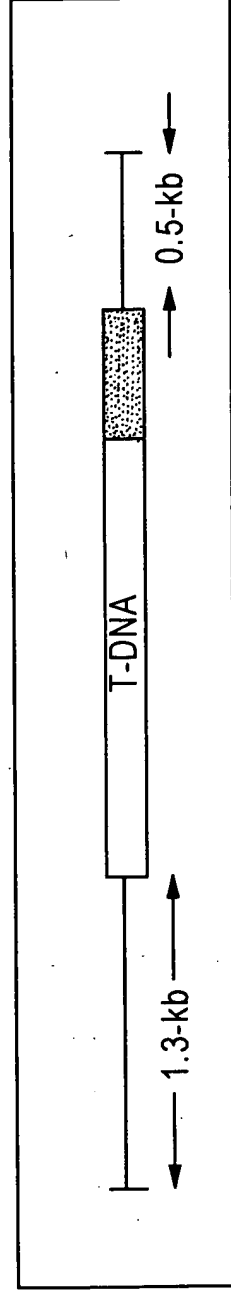


Figure 9D

REPLACEMENT SHEET

- ★ Genomic DNA adjacent to the activation-tagging element has been cloned from using plasmid rescue.



- ★ 1.8-kb of plant genomic DNA has been recovered. Initial sequence analysis indicates homology with unknown expressed sequenced tags in soybean and barley roots.
- ★ More extensive analysis is now underway using the cloned fragments as starting material (e.g., library probing, Northern analysis, etc)

Figure 10